

PUBLIC NOTICE

PERMIT APPLICATION: NRS 06.210

APPLICANT: Brent Campbell
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Brentwood, TN 37207
615-221-8000

LOCATION: Unnamed tributary to Little Harpeth River, proposed Centerview Business Park,
Centerview Drive, Brentwood, Williamson County 36.0283 °N, -86.7878 °W

WATERSHED DESCRIPTION: The tributary to Little Harpeth River is located in the Harpeth River watershed (TN051300204) and is not currently assessed for its designated water quality uses (recreation, fish and aquatic life, livestock watering and wildlife, and irrigation). The stream enters the property from underneath the Natchez Building, runs over 400 feet across the property to a culvert underneath Centerview Drive. The stream varies in width due to previous alterations and flow restrictions caused by culverts. The substrate is largely bedrock overlain with sediments and plants. The riparian area is partially landscaped and partially overgrown with trees and shrubs. Flow is largely provided by a spring flow from under the Natchez Building parking lot. The stream has a 30' long concrete pipe and 30 linear feet with a concrete channel liner. There is also a small 0.02-acre wetland dominated by black willow, knotweed, sedges, and bulrush. The local watershed is largely commercial. Color photos of the existing stream can be viewed on the Internet at <http://www.state.tn.us/environment/wpc/ppo/arap>.

PROJECT DESCRIPTION: The applicant proposes to relocate and encapsulate sections of the stream and fill the 0.02 acres of wetland for the purpose of constructing an office building that will be part of a larger business park. Approximately 400 linear feet of stream will be relocated, 320 linear feet will be placed in an open channel and 80 linear feet will be encased in a 48" concrete pipe. The pipe is to provide conveyance of flow to the relocated channel and for a road crossing. The existing 30' culvert and 30' of concrete liner channel will be removed during the relocation. The relocated channel will have a natural bottom, a variable bottom width 2' to 8' and 3:1 side slopes. Existing riparian vegetation will be maintained as much as possible and then a native riparian plantings will be installed.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: Oak Hill 308 SE



Photo 1: Middle section of stream, proposed for relocation.



Photo 2: Downstream area of stream (area of relocation and concrete removal), entering culvert under Centerview Drive. Culvert for removal in far background of photo.

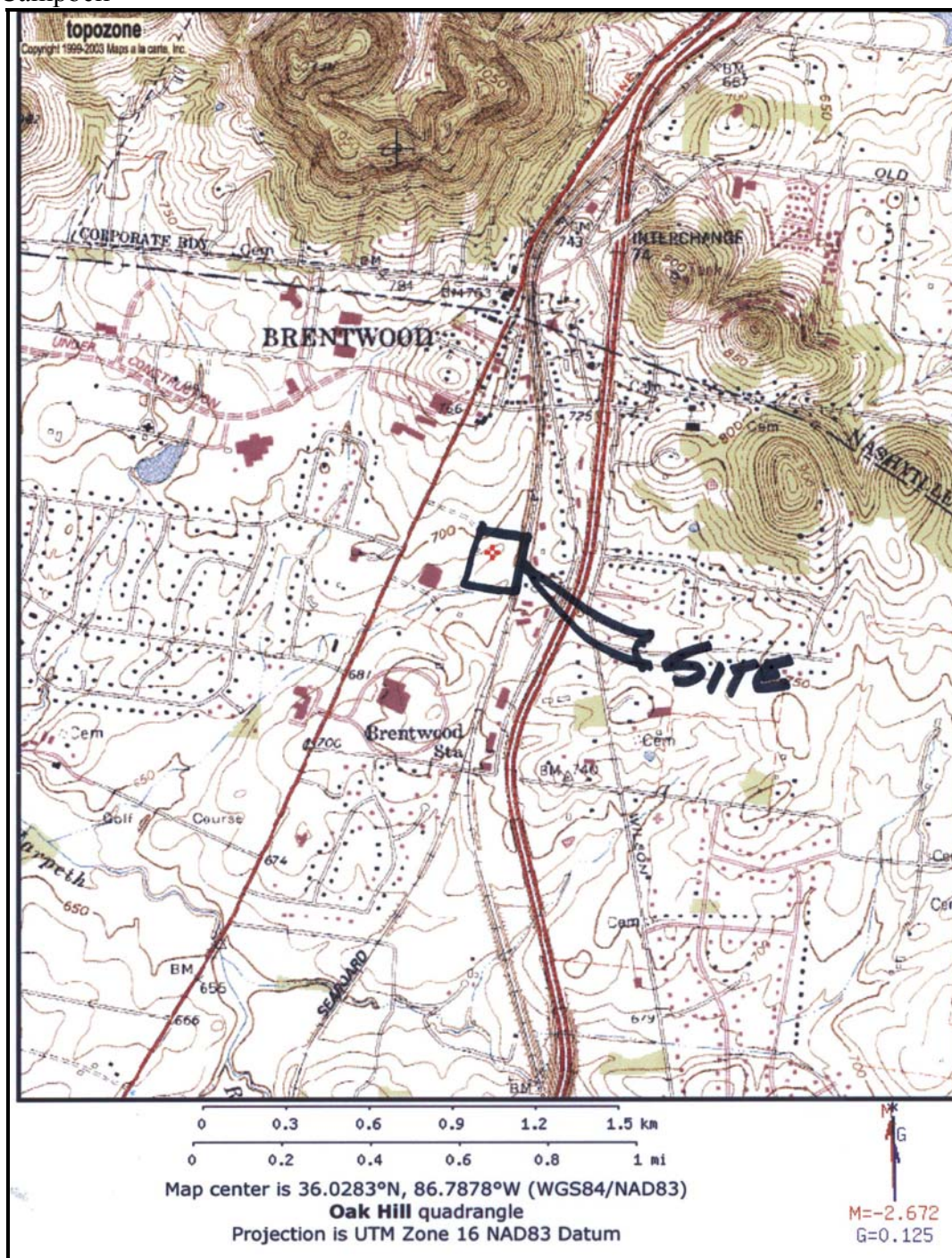


Figure 1: USGS topographic map showing the project area

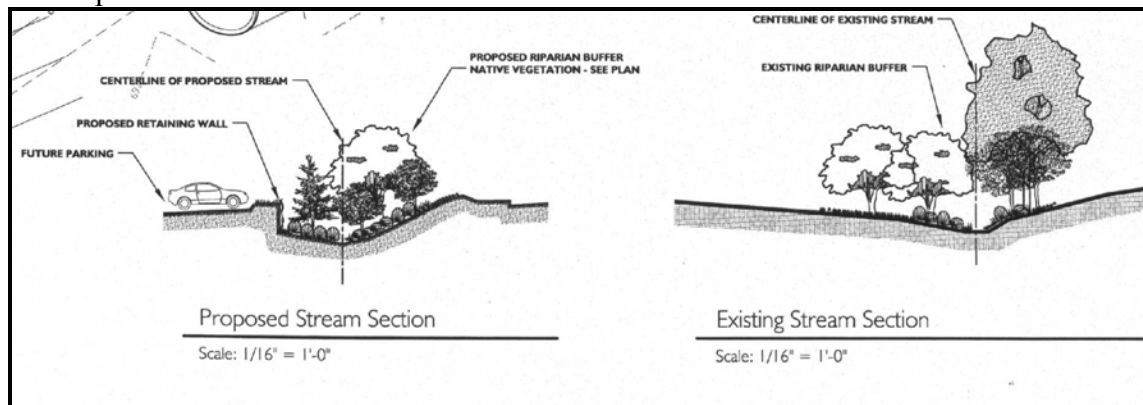


Figure 2: Proposed and existing stream cross-sections

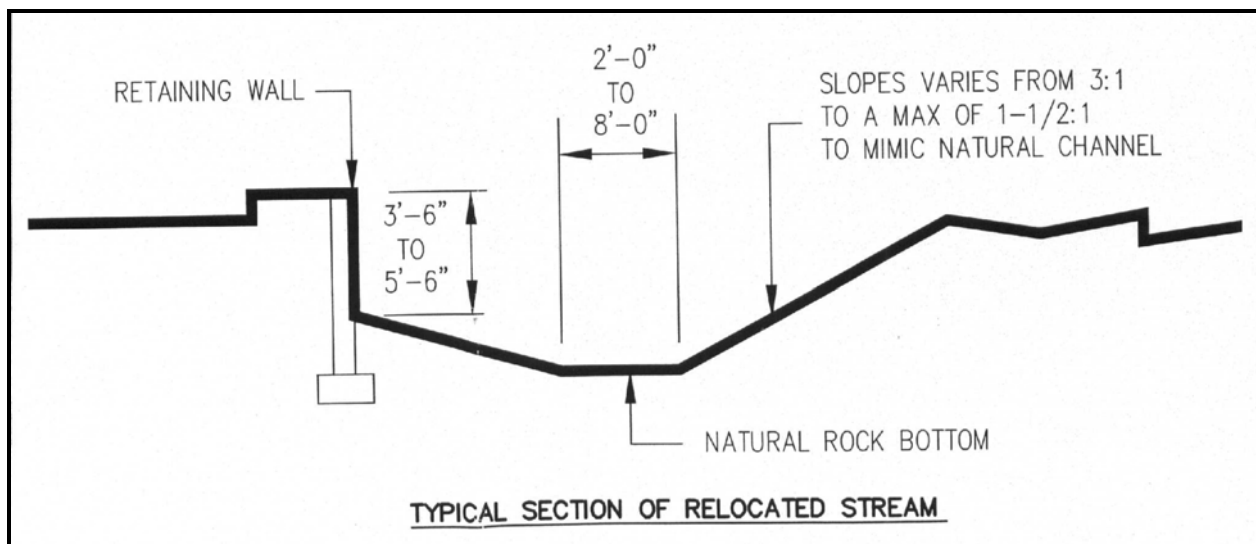


Figure 3: Technical detail of relocated stream cross section

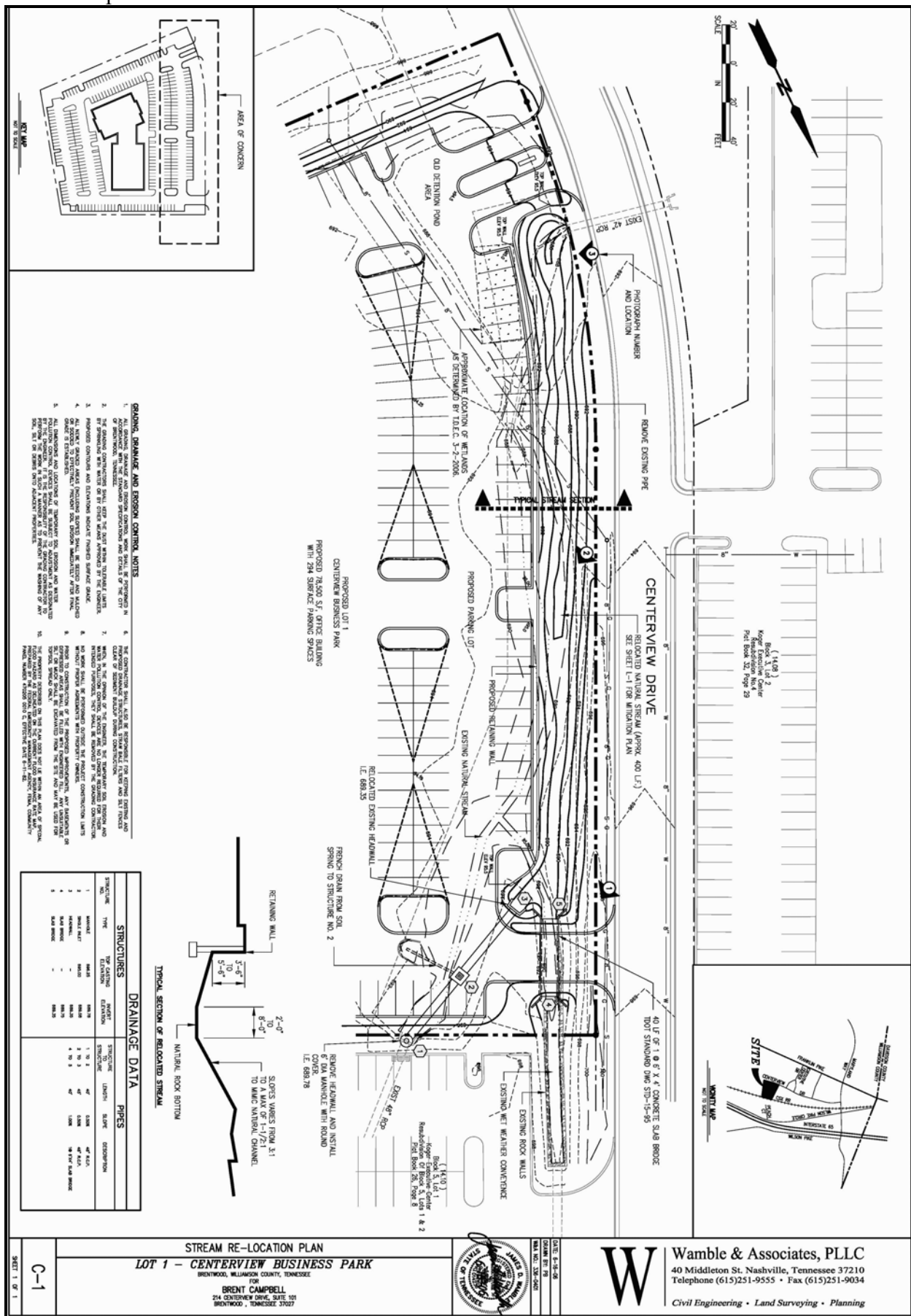


Figure 4: Stream relocation plan

